

ABSTRACT OF THE DISCLOSURE

An ultrasound transducer that includes a piezoelectric film having a first end and a second end, a plurality of electrodes disposed on the piezoelectric film, at least one securing member and a support structure which is generally cylindrical. The first end and the second end of the piezoelectric film are secured to the support structure by at least one securing member.

Year	Population	Area	Population Density
1900	1,000,000	100,000 km ²	10,000/km ²
1910	1,200,000	100,000 km ²	12,000/km ²
1920	1,400,000	100,000 km ²	14,000/km ²
1930	1,600,000	100,000 km ²	16,000/km ²
1940	1,800,000	100,000 km ²	18,000/km ²
1950	2,000,000	100,000 km ²	20,000/km ²
1960	2,200,000	100,000 km ²	22,000/km ²
1970	2,400,000	100,000 km ²	24,000/km ²
1980	2,600,000	100,000 km ²	26,000/km ²
1990	2,800,000	100,000 km ²	28,000/km ²
2000	3,000,000	100,000 km ²	30,000/km ²
2010	3,200,000	100,000 km ²	32,000/km ²
2020	3,400,000	100,000 km ²	34,000/km ²
2030	3,600,000	100,000 km ²	36,000/km ²
2040	3,800,000	100,000 km ²	38,000/km ²
2050	4,000,000	100,000 km ²	40,000/km ²
2060	4,200,000	100,000 km ²	42,000/km ²
2070	4,400,000	100,000 km ²	44,000/km ²
2080	4,600,000	100,000 km ²	46,000/km ²
2090	4,800,000	100,000 km ²	48,000/km ²
2100	5,000,000	100,000 km ²	50,000/km ²